BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: CONSTRUCTION AND IMPROVEMENT OF TOILETS IN WARD NO. 07 BYATRAYANAPURA

							Est Cost: = 4234000.00		
Sl.No	**Description of Work**	**Unit**	**No**	**L**	**B**	**D**	**Qty.**	**Rate**	**Amount**
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no - 6, item no - 2.3)								
	Toilet								
	Footings	2.00	8	1.20	1.20	1.20	27.65		
	Total Qty	**Cum**					**27.65**	**322.92**	**8928.09**
	Basic Rate	299.00							
	Sub Total	299.00							
	Area Weightage 8%	23.92							
	Final Rate	322.92							
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 465 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 13 Item No. 4.2								
	Toilet								
	Footings	2.00	8	1.20	1.20	0.15	3.46		
	For Plinth Beam	2.00	1	35.35	0.40	0.15	4.24		
	Foundation	2.00	1	29.95	1.15	0.15	10.33		
	Flooring Concrete	2.00	1	7.10	4.05	0.15	8.63		
	Total Qty	**Cum**					**26.66**	**5609.52**	**149534.38**
	Basic Rate	5194.00							
	Sub Total	5194.00							
	Area Weightage 8%	415.52							
	Final Rate	5609.52							
3	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 16, item No : 4.28)								
	Toilet								
	Footings	2.00	8	4.40		0.45	31.68		
	Total Qty	**Sqm**					**31.68**	**278.64**	**8827.32**
	Basic Rate	258.00							
	Sub Total	258.00							
	Area Weightage 8%	20.64							
	Final Rate	278.64							
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.31)								
	Toilet								

Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	For Plinth Beam	2.00	2	35.35		0.30	42.42		
	Total Qty	**Sqm**					**42.42**	**386.64**	**16401.27**
	Basic Rate	358.00							
	Sub Total	358.00							
	Area Weightage 8%	28.64							
	Final Rate	386.64							
5	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No : 16, item No : 4.32)								
	Toilet								
	Columns	2.00	8	1.30		5.30	110.24		
	Total Qty	**Sqm**					**110.24**	**492.48**	**54291.00**
	Basic Rate	456.00							
	Sub Total	456.00							
	Area Weightage 8%	36.48							
	Final Rate	492.48							
6	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitonsupto 3.50m from ground level. Specification No. KBS 4.6.2(Page No : 16, item No : 4.29.2)								
	Toilet								
	Roof Slab	2.00	1	7.10	4.05		57.51		
	Total Qty	**Sqm**					**57.51**	**432.00**	**24844.32**
	Basic Rate	400.00							
	Sub Total	400.00							
	Area Weightage 8%	32.00							
	Final Rate	432.00							
7	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 17, item No : 4.34)								
	Lintel	2.00	2	28.85		0.15	17.31		
	Roof Beam	2.00	2	26.35		0.45	47.43		
	Total Qty	**Sqm**					**64.74**	**315.36**	**20416.41**
	Basic Rate	292.00							
	Sub Total	292.00							
	Area Weightage 8%	23.36							
	Final Rate	315.36							
8	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 17, item No : 4.37)								
	Chajja	2.00	8	1.40	0.90		20.16		
	Total Qty	**Sqm**					**20.16**	**348.84**	**7032.61**
	Basic Rate	323.00							
	Sub Total	323.00							
	Area Weightage 8%	25.84							
	Final Rate	348.84							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
9	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 14, item No : 4.11)								
	Toilet								
	Footings	2.00	8	1.10	1.10	0.45	8.71		
	Columns	2.00	8	0.20	0.45	5.30	7.63		
	For Plinth Beam	2.00	1	35.35	0.20	0.40	5.66		
	Total Qty	**Cum**					**22.00**	**6111.72**	**134457.84**
	Basic Rate	5659.00							
	Sub Total	5659.00							
	Area Weightage 8%	452.72							
	Final Rate	6111.72							
10	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Page No : 14, item No : 4.13)								
	Lintel	2.00	1	28.85	0.20	0.15	1.73		
	Roof Beam	2.00	1	26.35	0.20	0.45	4.74		
	Roof Slab	2.00	1	7.10	4.05	0.150	8.63		
	Total Qty	**Cum**					**15.10**	**6363.36**	**96089.92**
	Basic Rate	5892.00							
	Sub Total	5892.00							
	Area Weightage 8%	471.36							
	Final Rate	6363.36							
11	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 15, item No : 4.19)								
	Chajja	2.00	8	1.40	0.90		20.16		
	Total Qty	**Sqm**					**20.16**	**475.20**	**9580.03**
	Basic Rate	440.00							
	Sub Total	440.00							
	Area Weightage 8%	35.20							
	Final Rate	475.20							

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
12	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No : 18, item No : 4.46.2)								
	150kg/cum for Footings			8.71	150.00		1306.80		
	180kg/cum for Columns			7.63	180.00		1373.76		
	150kg/cum for Beams			10.40	150.00		1559.85		
	120kg/cum for Slabs			8.63	120.00		1035.18		
	80kg/cum for Plinth, Lintel and Chajja			1.51	80.00		120.96		
	Total Qty	**Tonne**					**5.40**	**76643.28**	**413609.29**
	Basic Rate	70966.00							
	Sub Total	70966.00							
	Area Weightage 8%	5677.28							
	Final Rate	76643.28							
13	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification (Page No : 69, item No : 10.5.1)								
	Top Slab	2.00	1	7.10	4.05		57.51		
	Total Qty	**Sqm**					**57.51**	**568.08**	**32670.28**
	Basic Rate	526.00							
	Sub Total	526.00							
	Area Weightage 8%	42.08							
	Final Rate	568.08							
14	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto SO m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS(Page No :7, item No :2.10)								
	Around Footings	2.00	8	1.2	1.2	1.05	24.19		
	Deduct Columns	2.00	-8	0.20	0.45	1.05	-1.51		
	Deduct Columns	2.00	-4	0.20	0.45	1.05	-0.76		
	Total Qty	**Cum**					**21.92**	**217.08**	**4759.26**
	Basic Rate	201.00							
	Sub Total	201.00							
	Area Weightage 8%	16.08							
	Final Rate	217.08							
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(Page No :27, item No : 5.27.1)								
	Walls	2.00	1	22.75		3.00	136.50		
	Parappet Wall	2.00	1	26.35		1.20	63.24		

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Extra for finishing	2.00	3	15.00		0.70	63.00		
	Deduction for openings								
	Door D	2.00	-2	1.20		2.10	-10.08		
		2.00	-6	2.10		0.90	-22.68		
	Ventilator	6.00	-2	0.90		0.60	-6.48		
	Total Qty	**Sqm**					**223.50**	**984.96**	**220138.56**
	Basic Rate	912.00							
	Sub Total	912.00							
	Area Weightage 8%	72.96							
	Final Rate	984.96							
16	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(Page No :27, item No : 5.27.2)								
	Walls	2.00	1	32.40		3.00	194.40		
	Total Qty	**Sqm**					**194.40**	**1029.24**	**200084.26**
	Basic Rate	953.00							
	Sub Total	953.00							
	Area Weightage 8%	76.24							
	Final Rate	1029.24							
17	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Page No :116, item No : 15.18)								
	External Walls	2.00	1	22.75		3.15	143.33		
	Parappet Wall	2.00	1	22.75		0.90	40.95		
	Door D	2.00	-2	1.20		2.10	-10.08		
	Ventilator	2.00	-6	0.90		0.60	-6.48		
	Total Qty	**Sqm**					**167.72**	**312.12**	**52347.21**
	Basic Rate	289.00							
	Sub Total	289.00							
	Area Weightage 8%	23.12							
	Final Rate	312.12							
18	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications..(Page No.115, Item No.15.9)								
	Internal Plastering	2.00	1	54.30		3.00	325.80		
	Deduction for openings								
	Door D	2.00	-2	1.20		2.10	-10.08		
		2.00	-6	2.10		0.90	-22.68		
	Ventilator	6.00	-2	0.90		0.60	-6.48		
	Total Qty	**Sqm**					**286.56**	**227.88**	**65301.29**
	Basic Rate	211.00							
	Sub Total	211.00							
	Area Weightage 8%	16.88							
	Final Rate	227.88							
19	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Page No.116, Item No.15.21)								
	Ceiling	2.00	1	7.10	4.05		57.51		

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Total Qty	**Sqm**					57.51	253.80	14596.04
	Basic Rate	235.00							
	Sub Total	235.00							
	Area Weightage 8%	18.80							
	Final Rate	253.80							
20	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications. (Page No. 117, Item No. 15.39)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**286.56**	**6.48**	**1856.91**
	Basic Rate	6.00							
	Sub Total	6.00							
	Area Weightage 8%	0.48							
	Final Rate	6.48							
21	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(Page No. 117, Item No. 15.41)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**57.51**	**7.56**	**434.78**
	Basic Rate	7.00							
	Sub Total	7.00							
	Area Weightage 8%	0.56							
	Final Rate	7.56							
22	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).								
	Same As External Plastering Qnty								
	Total Qty	**Sqm**					**167.72**	**110.16**	**18475.48**
	Basic Rate	102.00							
	Sub Total	102.00							
	Area Weightage 8%	8.16							
	Final Rate	110.16							
23	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 119, item No :15.51.2)For internal walls.								
	Same As Internal Plastering Qnty								
	Total Qty	**Sqm**					**286.56**	**97.20**	**27853.63**
	Basic Rate	90.00							
	Sub Total	90.00							
	Area Weightage 8%	7.20							
	Final Rate	97.20							
24	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 119, item No :15.51. 2 & 3) for ceiling								
	Same As Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**57.51**	**97.20**	**5589.97**
	Basic Rate	90.00							
	Sub Total	90.00							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Area Weightage 8%	7.20							
	Final Rate	97.20							
25	Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. (Page No : 109, item No :14.45)								
	Internal Floor Area	2.00	1	7.10	4.05		57.51		
	Total Qty	**Sqm**					**57.51**	**1054.08**	**60620.14**
	Basic Rate	976.00							
	Sub Total	976.00							
	Area Weightage 8%	78.08							
	Final Rate	1054.08							
26	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles 400 x 400mm on a bed of 20mm thick (Page No : 108, item No :14.36.3)								
	Toilet Block	6.00	2	1.50	1.20		21.60		
	Total Qty	**Sqm**					**21.60**	**1455.84**	**31446.14**
	Basic Rate	1348.00							
	Sub Total	1348.00							
	Area Weightage 8%	107.84							
	Final Rate	1455.84							
27	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. (P.No.108, I.No. 14.41.2 of KPWD SR 2015-16)								
	Toilet Block	6.00	2	5.40		1.00	64.80		
	Total Qty	**Sqm**					**64.80**	**1762.56**	**114213.89**
	Basic Rate	1632.00							
	Sub Total	1632.00							
	Area Weightage 8%	130.56							
	Final Rate	1762.56							
28	KSRB 9.4-3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (Page No : 53, item No :9.11)								
	Door D1	2.00	2	6.90	0.100	0.125	0.35		
	Total Qty	**Cum**					**0.35**	**94612.32**	**32641.25**
	Basic Rate	87604.00							
	Sub Total	87604.00							
	Area Weightage 8%	7008.32							
	Final Rate	94612.32							

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
29	KSRB 9.5-3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (Page No : 53, item No :9.16)								
	Door D1	2.00	2	0.90	2.10		7.56		
	Total Qty	**Sqm**					**7.56**	**4510.08**	**34096.20**
	Basic Rate	4176.00							
	Sub Total	4176.00							
	Area Weightage 8%	334.08							
	Final Rate	4510.08							
30	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the Salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Exclusing cost of fixtures and inclusive of supply of shutters to respective work spot. (Page No : 62, item No :9.93)								
	Door D2	2.00	6	0.90		2.10	22.68		
	Total Qty	**Sqm**					**22.68**	**3240.00**	**73483.20**
	Basic Rate	3000.00							
	Sub Total	3000.00							
	Area Weightage 8%	240.00							
	Final Rate	3240.00							
31	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be thoroughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications (Page No.34, Item No.7.7)								

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Ventilators	6.00	2	0.90		0.60	6.48		
	Total Qty	**Sqm**					6.48	**4209.84**	**27279.76**
	Basic Rate	3898.00							
	Sub Total	3898.00							
	Area Weightage 8%	311.84							
	Final Rate	4209.84							
32	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.(Page. No. 121 Item No. 15.58)								
	Same as Door Qnty								
	Total Qty	**Sqm**					**7.56**	**54.00**	**408.24**
	Basic Rate	50.00							
	Sub Total	50.00							
	Area Weightage 8%	4.00							
	Final Rate	54.00							
33	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.(Page. No. 121 Item No. 15.60.1)								
	Same as priming coat qnty for Door								
	Total Qty	**Sqm**					**7.56**	**104.76**	**791.99**
	Basic Rate	97.00							
	Sub Total	97.00							
	Area Weightage 8%	7.76							
	Final Rate	104.76							
34	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locI<ing arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1 000 litre capacity) Specification No.KBS 13.22 (P.No.96, I.No.13.78 of PW, P&IWTD S.R 2018-19)								
		2.00	2				4.00		
	Total Qty	**each**					4.00	**7374.24**	**29496.96**
	Basic Rate	6828.00							
	Sub Total	6828.00							
	Area Weightage 8%	546.24							
	Final Rate	7374.24							
35	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.99, I.No. 13.86.2 of KPWD SR 2015-16)								
	20mm Nominal OD Pipes	2.00	180				360.00		
	Total Qty	**m**					**360.00**	**253.80**	**91368.00**
	Basic Rate	235.00							
	Sub Total	235.00							

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Area Weightage 8%	18.80							
	Final Rate	253.80							
36	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes(P.No.99, I.No. 13.86.3 of KPWD SR 2015-16)								
	25mm nominal OD pipes	2.00	160	--	--	--	320.00		
	Total Qty	**m**					**320.00**	**316.44**	**101260.80**
	Basic Rate	293.00							
	Sub Total	293.00							
	Area Weightage 8%	23.44							
	Final Rate	316.44							
37	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9(P.No.96, I.No.13.70.4 of PW, P&IWTD S.R 2018-19)								
	110mm Outer dia	2.00	74	--	--	--	148.00		
	Total Qty	**m**					**148.00**	**410.40**	**60739.20**
	Basic Rate	380.00							
	Sub Total	380.00							
	Area Weightage 8%	30.40							
	Final Rate	410.40							
38	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.84, I.No. 12.41 of KPWD SR 2018-19)								
		2.00	3	--	--	--	6.00		
	Total Qty	**unit**					**6.00**	**1226.88**	**7361.28**
	Basic Rate	1136.00							
	Sub Total	1136.00							
	Area Weightage 8%	90.88							
	Final Rate	1226.88							
39	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 90, I.No. 12.111 of KPWD SR 2018-19)								
		2.00	15	--	--	--	30.00		
	Total Qty	**each**					**30.00**	**162.00**	**4860.00**
	Basic Rate	150.00							
	Sub Total	150.00							
	Area Weightage 8%	12.00							
	Final Rate	162.00							
40	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.No. 90, I.No. 12.113.1 of KPWD SR 2018-19)								
		2.00	15	--	--	--	30.00		
	Total Qty	**each**					**30.00**	**270.00**	**8100.00**
	Basic Rate	250.00							
	Sub Total	250.00							

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Area Weightage 8%	20.00							
	Final Rate	270.00							
41	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No. 93, I.No. 13.23 of KPWD SR 2018-19)								
		2.00	15	--	--	--	30.00		
	Total Qty	**each**					**30.00**	**205.20**	**6156.00**
	Basic Rate	190.00							
	Sub Total	190.00							
	Area Weightage 8%	15.20							
	Final Rate	205.20							
42	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.94/ I.No. 13.34 of KPWD SR 2018-19)								
		2.00	8	--	--	--	16.00		
	Total Qty	**each**					**16.00**	**484.92**	**7758.72**
	Basic Rate	449.00							
	Sub Total	449.00							
	Area Weightage 8%	35.92							
	Final Rate	484.92							
43	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.93/ I.No. 13.33 of KPWD SR 2018-19)								
		2.00	8	--	--	--	16.00		
	Total Qty	**each**					**16.00**	**362.88**	**5806.08**
	Basic Rate	336.00							
	Sub Total	336.00							
	Area Weightage 8%	26.88							
	Final Rate	362.88							
44	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm (P.No. 76/ I.No.11.50.3 of KPWD SR 2018-19)								
		2.00	4	--	--	--	8.00		
	Total Qty	**Nos**					**8.00**	**5724.00**	**45792.00**
	Basic Rate	5300.00							
	Sub Total	5300.00							
	Area Weightage 8%	424.00							
	Final Rate	5724.00							

No	Description of Work	Unit	No	L	B	D	Qty.		
45	KSRB 11 -6 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre white glazed I vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.1 I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.(P.No.79 I.No.12.5 of KPWD SR 2018-19)		2.00	6	--	--	--	12.00		
							12.00	**5352.48**	**64229.76**
	Total Qty	**Each**							
	Basic Rate	4956.00							
	Sub Total	4956.00							
	Area Weightage 8%	396.48							
	Final Rate	5352.48							
46	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.82 I.No.12.23 of PWDSR 2018-19)		2.00	3	--	--	--	6.00		
							6.00	**4327.56**	**25965.36**
	Total Qty	**unit**							
	Basic Rate	4007.00							
	Sub Total	4007.00							
	Area Weightage 8%	320.56							
	Final Rate	4327.56							
47	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 79, I.No.12.2 of KPWD SR 2015-16)		2.00	6	--	--	--	12.00		
							12.00	**4561.92**	**54743.04**
	Total Qty	**Each**							
	Basic Rate	4224.00							
	Sub Total	4224.00							
	Area Weightage 8%	337.92							
	Final Rate	4561.92							
48	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.80 I.No.12.7 of PWDSR 2018-19)		2.00	5	--	--	--	10.00		
							10.00	**3317.76**	**33177.60**
	Total Qty	**unit**							
	Basic Rate	**3072.00**							
	Sub Total	3072.00							
	Area Weightage 8%	245.76							
	Final Rate	3317.76							

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
49	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 / 12.7 (P.No.72 I.No.11.2 of PWDSR 2018-19)								
		2.00	1	100.00	--	--	200.00		
	Total Qty	**m**					**200.00**	**397.44**	**79488.00**
	Basic Rate	**368.00**							
	Sub Total	368.00							
	Area Weightage 8%	29.44							
	Final Rate	397.44							
50	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25 I.No.5.6 of PWDSR 2018-19)								
	Foundation	2.00	1	29.95	0.90	0.45	24.26		
		2.00	1	29.95	0.70	0.45	18.87		
	Total Qty	**Cum**					**43.13**	**4963.68**	**214073.59**
	Basic Rate	**4596.00**							
	Sub Total	4596.00							
	Area Weightage 8%	367.68							
	Final Rate	4963.68							
51	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25 I.No.5.9 of PWDSR 2018-19)								
	Foundation	2.00	1	29.95	0.45	0.45	12.13		
	Total Qty	**Cum**					**12.13**	**5921.64**	**71828.01**
	Basic Rate	**5483.00**							
	Sub Total	5483.00							
	Area Weightage 8%	438.64							
	Final Rate	5921.64							
52	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications(P.No.115 I.No.15.3 of PWDSR 2018-19)								
	Foundation	2.00	1	29.95	--	1.35	80.87		
	Total Qty	**Sqm**					**80.87**	**153.36**	**12401.46**
	Basic Rate	**142.00**							
	Sub Total	142.00							
	Area Weightage 8%	11.36							
	Final Rate	153.36							
53	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13(P.No.26 I.No.5.17 of PWDSR 2018-19)								
	Foundation	2.00	1	29.95	--	2.75	164.73		
	Total Qty	**Sqm**					**164.73**	**968.76**	**159578.99**
	Basic Rate	**897.00**							
	Sub Total	897.00							
	Area Weightage 8%	71.76							
	Final Rate	968.76							

S.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
54	KSRB 4-1.1: Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No.13 I.No.4.1 of PWDSR 2018-19)								
	Foundation	2.00	1	29.95	0.45	0.10	2.70		
	Total Qty	**Cum**					**2.70**	**5705.64**	**15379.55**
	Basic Rate	**5283.00**							
	Sub Total	5283.00							
	Area Weightage 8%	422.64							
	Final Rate	5705.64							
	SUMP								
55	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no - 6, item no - 2.3)								
	Sump								
	upto 1.5m	2.00	1	3.30	3.30	1.65	35.94		
	Total Qty	**Cum**					**35.94**	**322.92**	**11604.78**
	Basic Rate	**299.00**							
	Sub Total	299.00							
	Area Weightage 8%	23.92							
	Final Rate	322.92							
56	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 465 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 13 Item No. 4.2)								
	Sump								
		2.00	1	3.30	3.30	0.15	3.27		
	Total Qty	**Cum**					**3.27**	**5609.52**	**18326.30**
	Basic Rate	**5194.00**							
	Sub Total	5194.00							
	Area Weightage 8%	415.52							
	Final Rate	5609.52							
57	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 16, item No : 4.28)								
	Sump								
	Bottom Raft	2.00	2	3.00		0.25	3.00		
		2.00	2	2.50		0.25	2.50		
	Total Qty	**Sqm**					**5.50**	**278.64**	**1532.52**
	Basic Rate	**258.00**							
	Sub Total	258.00							
	Area Weightage 8%	20.64							
	Final Rate	278.64							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
58	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.31)								
	Sump								
	Walls	2.00	4	3.00		1.00	24.00		
		2.00	4	2.50		1.00	20.00		
	Total Qty	**Sqm**					**44.00**	**386.64**	**17012.16**
	Basic Rate	**358.00**							
	Sub Total	358.00							
	Area Weightage 8%	28.64							
	Final Rate	386.64							
59	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitonsupto 3.50m from ground level. Specification No. KBS 4.6.2 Upto 0-5meter(Page No : 16, item No : 4.29.2)								
	Sump								
	Top Slab	2.00	1	2.50	2.50		12.50		
	Total Qty	**Sqm**					**12.50**	**432.00**	**5400.00**
	Basic Rate	**400.00**							
	Sub Total	400.00							
	Area Weightage 8%	32.00							
	Final Rate	432.00							
60	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 14, item No : 4.11)								
	Sump								
	Bottom Raft	2.00	1	3.00	3.00	0.25	4.50		
	Walls	2.00	2	3.00	0.25	1.00	3.00		
		2.00	2	2.50	0.25	1.00	2.50		
	Total Qty	**Cum**					**10.00**	**6111.72**	**61117.20**
	Basic Rate	**5659.00**							
	Sub Total	5659.00							
	Area Weightage 8%	452.72							
	Final Rate	6111.72							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
61	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Page No : 14, item No : 4.13)								
	Top Slab	2.00	1	2.50	2.50	0.15	1.88		
	Total Qty	**Cum**					**1.88**	**6363.36**	**11931.30**
	Basic Rate	**5892.00**							
	Sub Total	5892.00							
	Area Weightage 8%	471.36							
	Final Rate	6363.36							
62	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No : 18, item No : 4.46.2)								
	For Sump at 120kg/cum	2.00		11.88	120.00		2850.00		
							2850.00		
	Total Qty	**Tonne**					**2.85**	**76643.28**	**218433.35**
	Basic Rate	**70966.00**							
	Sub Total	70966.00							
	Area Weightage 8%	5677.28							
	Final Rate	76643.28							
63	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification (Page No : 69, item No : 10.5.1)								
	Top slab	2.00	1	2.50	2.50		12.50		
	Total Qty	**Sqm**					**12.50**	**568.08**	**7101.00**
	Basic Rate	**526.00**							
	Sub Total	526.00							
	Area Weightage 8%	42.08							
	Final Rate	568.08							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
64	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto SO m. and lift upto 1.S m. including cost of all labour complete as per specifications. specification. No. KBS(Page No : 7, item No : 2.10)								
	Around Sump								
		2.00	4	2.50	0.15	1.50	4.50		
	Total Qty	**Cum**					**4.50**	**217.08**	**976.86**
	Basic Rate	**201.00**							
	Sub Total	201.00							
	Area Weightage 8%	16.08							
	Final Rate	217.08							
65	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications..(Page No.115,								
	Internal Plastering	2.00	1	2.00		1.00	4.00		
		2.00	1	2.00		1.00	4.00		
	Total Qty	**Sqm**					**8.00**	**227.88**	**1823.04**
	Basic Rate	**211.00**							
	Sub Total	211.00							
	Area Weightage 8%	16.88							
	Final Rate	227.88							
66	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No. 116, I.No. 15.21 of KPWD SR 2015-16)								
	Ceiling	2.00	1	2.00	2.00		8.00		
	Total Qty	**Sqm**					**8.00**	**253.80**	**2030.40**
	Basic Rate	**235.00**							
	Sub Total	235.00							
	Area Weightage 8%	18.80							
	Final Rate	253.80							
67	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications. (Page No. 117, Item No. 15.39)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**8.00**	**6.48**	**51.84**
	Basic Rate	**6.00**							
	Sub Total	6.00							
	Area Weightage 8%	0.48							
	Final Rate	6.48							
68	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(Page No. 117, Item No. 15.41)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**8.00**	**7.56**	**60.48**
	Basic Rate	**7.00**							
	Sub Total	7.00							
	Area Weightage 8%	0.56							
	Final Rate	7.56							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
69	KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.(Page No. 150, Item No. 19.97)								
	30kg/Cover	Kg	4	0.03			**0.12**	**7761.96**	**931.44**
	Basic Rate	**7187.00**							
	Sub Total	7187.00							
	Area Weightage 8%	574.96							
	Final Rate	7761.96							
70	Providing and fixing M.S foot rests with CC 1:3:6 and 20 x 20 mm square bar for Manholes (BWSSB SR 2017-18, Page No : 165 I.No: 75)								
		Each	6				**6.00**	**244.00**	**1464.00**
	Basic Rate	**244.00**							
	Electrification								
71	Point wiring using copper wire without switch								
	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet.								
	Point wirig using class A Materials								
	a) Short point upto 3.0M from tapping point to outlet via switch box.KKPWD SR 14-15 Chap No, Item No, Page No2-2.3.1-5								
		Each	10	2			20	144.00	2,880.00
72	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall								
	a) 1-3Way KKPWD SR 14-15 Chap No, Item No, Page No3-3.5.1-15								
		Each	8	2			16	91.00	1,456.00
73	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.								
	a) 1-3Module KKPWD SR 14-15 Chap No, Item No, Page No3-3.6.1-16								
		Each	4	2			8	109.00	872.00
74	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293								
	Group 'A' Material								
	a) 6Amps one Way Item No, Page No3-3.7.1-16								
		Each	15	2			30	63.00	1,890.00
	c) 6/16Amps universal socket Item No, Page No3-3.7.10-16								
		Each	2	2			4	147.00	588.00
75	Supply and fixing metal fan box with round hook Item No, Page No1-1.12-3								
		Each	2	2			4	92.00	368.00
76	Concealed Conduit System:								

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary								
	a) 19mm dia 2mm thick Item No, Page No1-1.2.1-2								
		Mtr	100	2			200	43.00	8,600.00
77	Groove cutting								
	Supplying following size heavy guage PVC conduit pipe following thick with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the surface of the brick level and run with 18SWG GI fish wire run through out the conduit where ever necessary.								
	a) 19mm dia 2mm thick Item No, Page No1-1.3.1-2								
		Mtr	100	2			200	56.00	11,200.00
78	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A.								
	a) 1.5sqmm Item No, Page No2-2.5.2-6								
		M	100	2			200	18.60	3,720.00
79	Supplying and fixing regular MCCB distribution Panel confirm to IS 8828, on wall/ woodboard / flush mounting using required clamps,bolts, nuts etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with neccesary busbar completely wired to use on 440Volts 3Phase 4wire powder coated painting etc., complete with a provision for fixing of single /three phase suitable capacity MCCB/MCB as outgoings confirm to IS8828.								
	a.8Way Group A Item No, Page No6.14.4 page 54								
		Each	2	2			4	9,095.00	36,380.00
80	Supplying and fixing regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting etc., Made out of 14SWG MS enclosure.								
	Single Door								
	a.8way SP &N Item No, Page No6.16.3 page 54								
		Each	2	2			4	866.00	3,464.00
81	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker (ELMCB) 240/450V upto 300mA sensitivity on exisiting wood/panel board.								
	a.16-25Amps 2 pole Item No, Page No6.17.1								
		Each	1	2			2	2,412.00	4,824.00
	b.32-40Amps 4 pole Item No, Page No6.14.3								
		Each	1	2			2	2,936.00	5,872.00
82	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898.								
	a.5-32A SP MCB Group A Item No, Page No6-6.16.1-47								

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
		Each	2	2			4	418.00	1,672.00
	Supply of Fittings								
83	Supplying of 2' - LED PVC square batten 28Watts with high quality diffuser with life of 25000 burning hours & 70% lumen maintanance with CRI > 80. Power input: 220-240V @ 50Hz & power factor > 0.9 along with CE approved drivers. 5years warranty against any manufacturing defect working under standard electrical condition.								
	1x4'.28Watts Item No, Page No4-4.29.2-27	Each	2	2			4	1,774.00	7,096.00
84	Supplying and fixing PBBC bakelite straight or slant batten holder and wiring with Group A 60w/230 V Item No, Page No4-4.2-20								
		Each	5	2			10	88.00	880.00
85	Supplying of 2 pin/4pin 18W CFL lamp Item No, Page No4-4.38.18-30								
		Each	5	2			10	120.00	1,200.00
86	Supplying CFL Mirror light fitting with 1x11W CFL lamp, choke, perspex cover and completely wired for use on 230V 50Hz AC Supply Item No, Page No4.23-24								
		Each	10	2			20	648.00	12,960.00
87	Supply of 2'x2' LED recessed luminaire with following watts system wattage. Housing shall be with pressure die cast aluminium alloy with corrosion proof resistant polyester powder coated. Driver operates with voltage range from 100V to 270V 50/60Hz with short circuit, over load & mis-wiring protection. Lumen maintanance of 70% at 50000Hrs. Injection moulded polycarbonate diffuserfor better mechanical stability, light transmission & avoid pot hole effect. Junction temparature shall be <70degree celsius. Driver is on constant current driver @ 0.6A with PF >0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficency >85% THD < 15%. LED Efficeiency > 130 lm/W at 1W & fixture efficiency > 75Lm/W with CRI >75 with injection moulded polycarbonate lens with < 80mm depth. 5Years warranty against any manufacturing defect working under standard electrical condition.								
	a.LED modular down light 1'x1' - 36Watts Group A Item No, Page No4-4.33.1-								
		Each	2	2			4	7,006.00	28,024.00
88	Supplying of 1440rpm heavy duty exhust fan with bracket blades suitable for operate on 230V 50Hz, AC Supply complete.								
	15" sweep (450mm) Group A Item No, Page No 9.2.3 Pg 84								
		Each	3	2			6	4,394.00	26,364.00
89	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double, ball bearing system and as per technical data approved.								
	48" Sweep (1200mm)								
	Regular Model Item No, Page No9-9.3.1.1-84								
		Each	2	2			4	2,376.00	9,504.00

NAME OF WORK :→ CONSTRUCTION AND IMPROVEMENT OF TOILETS IN WARD NO.07

Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
90	Supplying wall mounting fan suitable to operate at single phase 230V AC Supply.								
	400mm sweep Group A Item No, Page No9.4.3-84								
		Each	1	2			2	2,534.00	5,068.00
						A.Sub Total Cost of KPWD SR items			3420998.02
91						B.Total Construction Cost			3597344.02
92			C.Cost towards PMC / Third Party inspection LS=A*2%						71947.00
93	D.Cost towards 12% GST on KPWD SR Items and PMC Charhes=(A+C)*12%								419153.40
94			E.Cost towards 3% KRIDL Charges+ 1% CESS=B*4%						143893.76
						F.Sub Total=(B+C+D+E)			4232338.18
95						G.Miscellaneous and rounding off			1661.82
							H.Total=(F+G)		4234000.00

Certificate.

1 The workspot was inspected and work is found to be necessary.
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The rates adopted based on the KPWD Electrical SR 2014-15, BWSSB SR 2017-18, KPWD SR, Bangalore circle for year 2018-19.
4 The provisions made in the estimate are necessary and essential.

Assistant Engineer | Assistant Executive Engineer | Executive Engineer 7/12/18

Administrative Approval
Accorded For RS 42.34 lacks only
Head of A/C P3110
CER NO 184 Dt: 02.03.19
TA | CE (YNK)

Technical Sanction
Accorded For RS 42.34 lacks only
Head of A/C P3110
CER NO :275 Dt: 02.03.19
TA | CE (YNK)